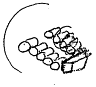
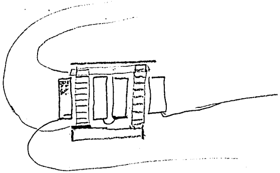
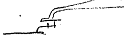
## Notebook Series -- Notebooks by Edison
## Notebook, N-17-02-22

This notebook was used by Edison in February 1917 to record work for the U.S. Navy during World War I. Included are circuit diagrams and drawings relating to the recording, amplification, and measurement of sound. The pages are unnumbered. Only 16 pages have been used.

Feby 22/17







850000—

280
3
840

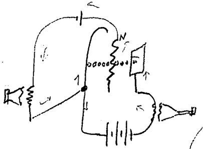
1000 5000
5000,000 60
1
30000000
3,

2500000
840000
12000)1660000(138
12000
46000
36000
10000

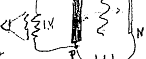
52)138(2,6
104
340

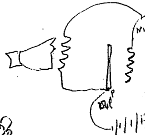
120.

2, 10- 5.



P 2 amp
N 1 amp


Ni
N, Ni Al.
1.V
P
N



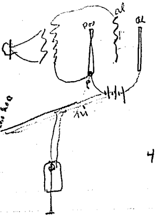
1.V. cells
1 amp

1 7)60

1600
75
8000
11200
160—

35

16 [illegible]


Pos
al
al
P
Ni

6)70
11

600—
60)12000(200
200 [illegible]

20,

4

135 100 cells –

4 amp –

16 | 4000 (250 – hour
32
80

50 × 50

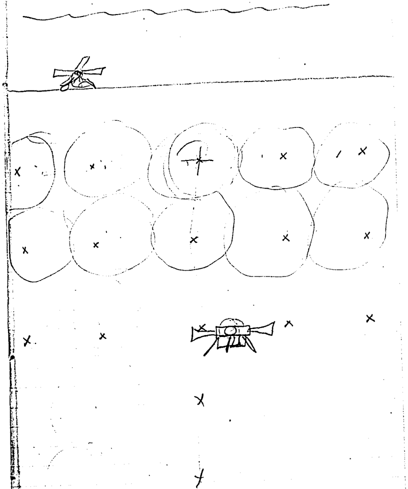
24 | 250 (10 –
240
1

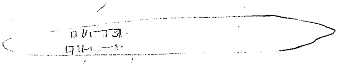
4 –

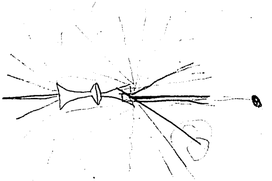
12 – 1 month
150 1 yr

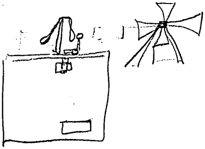
1000
180
5000
1000
2500 | 150000 (60 ships
15000

50
50
2500







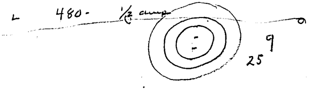


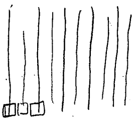
72000- 12 rows.-

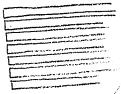
120

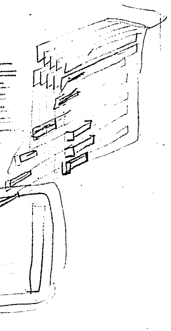
1 Row 1 Milamp- 12 12 milamp- 1 relay

L 480- ½ amp



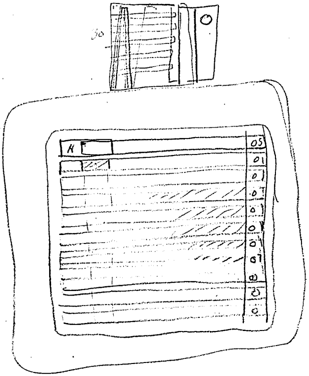






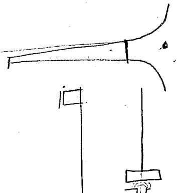
6 to inch -

6-



70

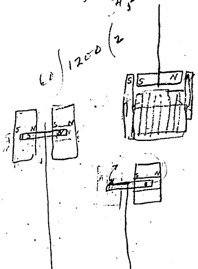
3 Sec in 10ths 3 10 = 4 – 10 – 5 = 10 = 6 = 10 = 7.
7 10 – 8 – 9 10 – 10 -



3

75) 200 (2.66
150
500
450
500
450

60) 1200 (2

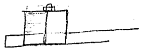


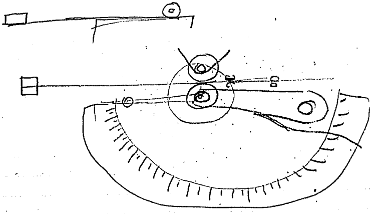
60) 1200 (20
1200

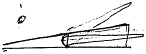
160
75
800
1120
1200

Phono at 160 makes 1200 inches min — or 20 inches second to get waves 1/8 long to see in micro 1 Vibration second gives 1 wave 20 inches long, 20 waves 1 inch — 1/2 speed 1/2 1/4 speed 1/8 — phono should run 20 Rev min if fan goes 1400 Rev & has 3 blades — as 40 is slowest must run fan 800 Rev min to get waves 1/8 long

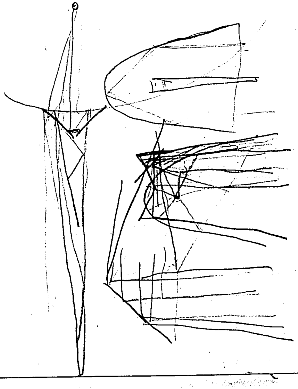
1"

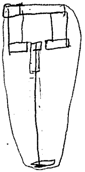


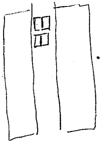


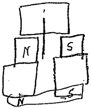


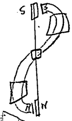
28— 50

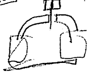


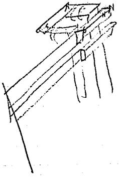


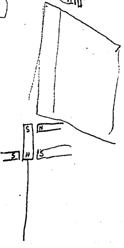



N
S
N
S


S
S
N
N




N
N


S
N
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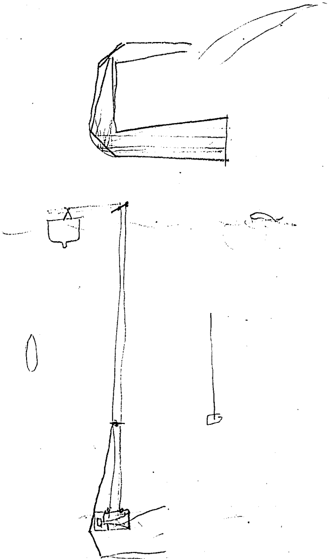

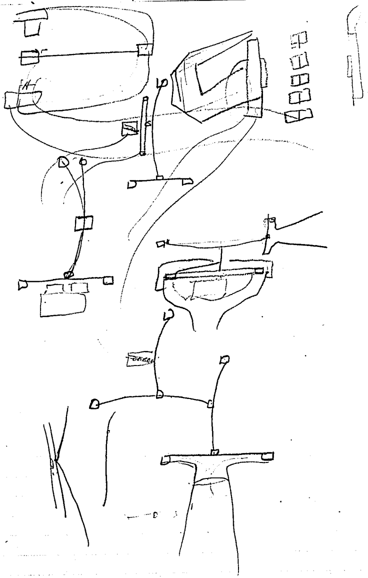

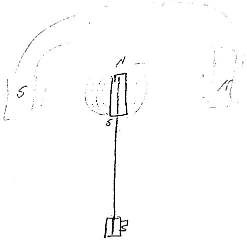
S
N
S
N